

Solid-State Memory 3D Camcorder

Supplement
PMW-TD300

XDCMEX
HDMI

SxS
Exmor
FULL HD 3CMOS

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Foreword

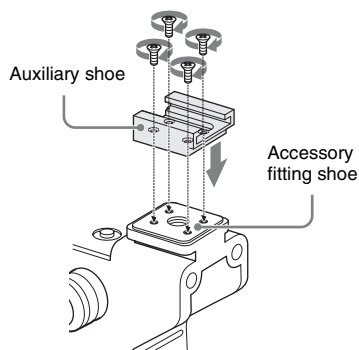
This document contains the following supplementary information about the PMW-TD300 (called “the camcorder” below).

- Using the Cold Shoe Kit
- Using a Media Adaptor
- Operating from the RM-B150/B750
- Functions That Can Be Controlled from the RM-B150/B750
- Using a Wi-Fi Adapter
- Output Formats and Limitations

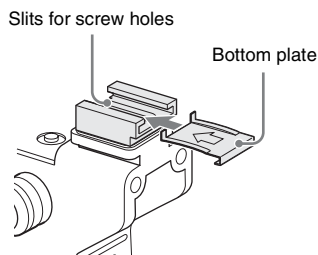
Using the Cold Shoe Kit

You can attach and use slide shoe type accessories by first mounting the supplied cold shoe kit (auxiliary shoe, four screws, and a bottom plate) on the accessory shoe of the camcorder.

- 1 Secure the auxiliary shoe to the accessory fitting shoe with the four screws.**



- 2 Fit the bottom plate (spring type) into the auxiliary shoe.**



Insert the bottom plate from the end where the slits for the screw holes of the auxiliary shoe are not open.

If you secure the auxiliary shoe in the direction opposite that shown in the above figure with the slit open end forward, insert the bottom plate from the direction opposite to that shown in the figure.

Using a Media Adaptor

Use of the optional MEAD-MS01 or MEAD-SD01 Media Adaptor permits you to insert a “Memory Stick” (with MEAD-MS01) or an SDHC card (with MEAD-SD01) to the SxS memory card slot of the camcorder and use it for recording and playback in the same way as with an SxS memory card.

Usable “Memory Stick”

“Memory Stick PRO-HG Duo” HXA series

Usable SDHC card

Class 10 SDHC card

For details on use of the MEAD-MS01/SD01 Media Adaptor, refer to the Operating Instructions of the adaptor.

Notes

- High-speed playback may not be properly achieved with a “Memory Stick” or an SDHC card.
- When using the Slow & Quick Motion function with the “Memory Stick” or an SDHC card, you cannot perform slow motion shooting.

Formatting

When you use a “Memory Stick” or an SDHC card with this camcorder, formatting is required. A “Memory Stick” or an SDHC card to be used with this camcorder must be formatted using the format function of this camcorder.

It is also necessary to format a “Memory Stick” or an SDHC card for use if a caution message is displayed when you mount the “Memory Stick” or SDHC card.

For a “Memory Stick” or an SDHC card that was formatted with another system unsupported by this camcorder, the message “Unsupported File System” is displayed on the LCD monitor/EVF screen.

Format the “Memory Stick” or SDHC card as instructed below.

To execute formatting

1 Select OPERATION >Format Media in the setup menu.

2 Select the slot to format.

3 Turn the MENU knob to select [Execute], and press the knob.

The format confirmation message appears on the viewfinder screen.

4 Turn the MENU knob to select “Execute”, and then press the knob.

For information about menu operations, refer to the Operating Instructions of the camcorder.

Formatting begins.

An in-progress message and status bar (%) are displayed, and the ACCESS lamp lights in orange. When formatting is completed, a completion message is displayed for three seconds.

Note

In formatting, all data in a “Memory Stick” or MEAD-SD01, including protected images, are erased and cannot be restored.

Connection between the camcorder and a computer

To use a “Memory Stick” or MEAD-SD01 in which data have been recorded with an XDCAM EX-series product, establish USB connection between the computer and this camcorder and insert it into the slot of the camcorder, or use a specified USB card reader ¹⁾.

1) For details on the USB card reader, visit the XDCAM EX web sites cited in Chapter 1 “Overview” of the Operating Instructions for the camcorder.

To use a “Memory Stick” formatted with this camcorder with other devices having a “Memory Stick” slot


- First make a backup copy of the data recorded in the “Memory Stick.”
- When the backup is done, format the “Memory Stick” with the device to be used.

For details on the formatting method, refer to the operating instructions of the device to be used.

To use an SDHC card formatted with this camcorder with other devices having an SDHC card slot

- First make a backup copy of the data recorded in the SDHC card.
- When the backup is done, format the SDHC card with the device to be used.

For details on the formatting method, refer to the operating instructions of the device to be used.

- “Memory Stick” and  MEMORY STICK™ are trademarks of Sony Corporation.
 - “Memory Stick PRO-HG Duo” and MEMORY STICK PRO-HG DUO are trademarks of Sony Corporation.

Operating from the RM-B150/B750

When the RM-B150 or RM-B750 Remote Control Unit is connected, some camcorder functions can be controlled from the RM-B150/B750.

You can use the RM-B750’s display or a video monitor connected to the MONITOR connector of the RM-B150/B750 to control the camcorder by menu operations and monitor the camcorder picture.

To connect

Using the remote cable (10 m (33 ft)) supplied with the RM-B150/B750, connect between the REMOTE connector (8-pin) of the camcorder and the camera connector of the RM-B150/B750. When you turn on the camcorder after the connection, the camcorder enters Remote Control mode.

Adjusting the Camcorder from the RM-B150/B750

You can control menu and recording operations from the RM-B150/B750.

For the functions that can be controlled from the RM-B150/B750, see “Functions That Can Be Controlled from the RM-B150/B750” on page 8.

Notes

- Remote Control operations cannot be made if USB connection to the camcorder is enabled.
- Do not connect or disconnect the RM-B150/B750 when the camcorder is on.

The following controls of the camcorder becomes inoperative when the RM-B150/B750 is connected.

- GAIN selector
- WHITE BAL switch
- AUTO W/B BAL switch
- SHUTTER selector
- OUTPUT/DCC switch
- Buttons and switches to which the Turbo Gain function has been assigned, including the ASSIGN. 1/3 switches, the ASSIGNABLE 4

switch, the COLOR TEMP. button, and the ASSIGNABLE 5 switch.

- REC START button: the VTR button on the lens, and buttons and switches to which the function has been assigned using OPERATION >Assignable SW in the setup menu, including the ASSIGN. 1/3 switches, the ASSIGNABLE 4 switch, the COLOR TEMP. button, and the ASSIGNABLE 5 switch (when MAINTENANCE >Camera Config >RM Rec Start in the setup menu is set to [RM]).

To connect the monitor to the RM-B150/B750

The MONITOR connector (BNC type) of the RM-B150/B750 outputs a composite signal. To connect a monitor to the MONITOR connector on the RM-B150/B750, use the black cable supplied with the RM-B150/B750.

To release Remote Control mode

Turn off the camcorder and disconnect the RM-B150/B750.
The settings on the controls on the camcorder become valid.

Camera image quality adjustment items when the RM-B150/B750 is connected

When the RM-B150/B750 is connected, the parameters for camera image quality adjustment items (paint data) are reset to the parameters that were specified the last time that RM-B150/B750 was connected.

Function of the recording start/stop buttons when the RM-B150/B750 is connected

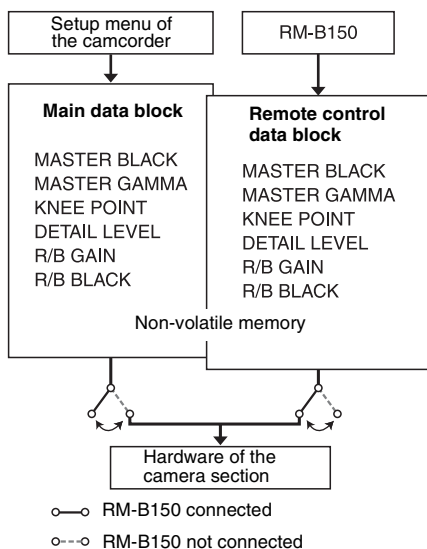
When the RM-B150/B750 is connected, you can make a setting to determine which of the recording start/stop buttons you will use. This setting is made using MAINTENANCE >Camera Config >RM Rec Start in the setup menu.

Relationship between the setting of the RM Rec Start item and the function of recording start/stop buttons

Recording start/stop button	Settings of RM Rec Start		
	RM	CAM	PARA
REC START button	Disabled	Enabled	Enabled
VTR button	Disabled	Enabled	Enabled
Buttons and switches to which the recording start/stop function has been assigned (ASSIGN. 1/3 switches, ASSIGNABLE 4 switch, COLOR TEMP. button, and ASSIGNABLE 5 switch)	Disabled	Enabled	Enabled
Remote control unit's VTR button	Enabled	Disabled	Enabled

Structure of the paint adjustment data

The non-volatile memory of the camcorder used for storing paint adjustment data consists of two regions as shown below: one is the “main data block” that is used when a remote control unit is not connected, and the other is the “remote control data block” that is used when a remote control unit is connected. Paint adjustment data is automatically selected and output to the camera section depending on whether or not a remote control unit such as the RM-B150 is connected.



When a remote control unit is connected to the camcorder, the “remote control data block” is selected as the current paint data block, and the paint adjustment parameters that were in effect the last time the remote control unit was used are recalled.

The settings of the absolute value rotational controls ¹⁾ and absolute value switches ²⁾ are overwritten by those on the remote control unit after the remote control unit is connected.

When the remote control unit is disconnected from the camcorder, the “main data block” becomes effective. Thus the camcorder will return to the settings that were in effect before the remote control unit was connected.

1) **Absolute value rotational controls:** The data corresponding to the angular position of controls is output. Rotational controls for which the data corresponding to the amount of their rotation is output are called relative value controls.

2) **Absolute value switches:** Like toggle switches or slide switches (except most momentary switches), the switches (or knobs) whose positions must coincide with their functions are called absolute value switches.

When MAINTENANCE >Camera Config >RM Common Memory is set to [On] in the setup menu, you can use settings of the paint adjustment data stored in the main data block even if you connect the remote control unit. In this case, the settings stored in the main data block will be renewed when you change the settings on the remote control unit. Thus, the

settings of the paint data made with the remote control unit can be retained even if the remote control unit is removed. However, if the switch position on the remote control unit differs from the one on the camcorder, the switch position on the camcorder takes precedence over that on the remote control unit.

Also, it is possible to keep the settings that are in effect before you connect the remote control unit. In this case, you should set the control knob to the relative value mode on the remote control unit.

For details, refer to the Operation Manual supplied with the remote control unit.

Operating the Menu from the RM-B150

1 Set the DISPLAY switch to MENU.

The camcorder menus can be displayed on a video monitor connected to the MONITOR connector of the RM-B150.

2 Select and set the menu items, using the MENU SELECT knob and the CANCEL/ENTER switch.

3 When the settings are completed, set the DISPLAY switch to ON or OFF to exit the menu.

For details on operations of the RM-B150, refer to the Operation Manual of the RM-B150.

Operating the Menu from the RM-B750

1 Press and light the MONITOR button then press the VF MENU button.

The camcorder menus can be displayed on the RM-B750's display or a video monitor connected to the MONITOR connector of the RM-B750.

2 Select and set the menu items, using the MENU SELECT knob, ENTER button, and CANCEL button.

3 When the settings are completed, press the VF MENU button to exit the menu.

For details on operations of the RM-B750, refer to the Operation Manual of the RM-B750.

Functions That Can Be Controlled from the RM-B150/B750

You can adjust the functions in the following table by using menu operations, adjustment knobs, switches, and the touch panel (RM-B750 only) on the RM-B150/B750.

For details on operations, refer to the Operation Manual of the RM-B150/B750.

How to Read the Table

The following symbols are used to indicate operations on the RM-B150 and RM-B750.

Switch: A

Touch panel: B

Knob: C

Menu operation: D (Camcorder's menus can be operated from the RM-B150/B750.)

Menu items	Sub-item	Setting	Description	RM-B150	RM-B750
Gain	Step Gain	–	Sets the master gain.	A	–
	L/M/H	Low/Mid/High	Switches between three gain levels, when the master gain has been set from a menu.	A ^{a)}	–
	Step	–3/0/3/6/9/12/18/24dB	Sets the master gain.	C+A ^{a)}	B
Bars	Bars	On/Off	Turns color bar output on or off.	A	A
Shutter	Step Shutter Setting	On/Off	Turns the step shutter function on or off.	A	B
	Step Shutter Speed	–	Sets the step shutter speed.	C	C
	ECS Setting	On/Off	Turns ECS on or off.	A	B
	ECS Frequency	–	Selects the ECS frequency.	C	C
	SLS Setting	On/Off	Turns SLS on or off.	–	B/– ^{b)}
	SLS Speed	–	Sets the SLS speed (number of frames).	–	C ^{b)}
DCC	DCC	On/Off	Turns DCC on or off.	A	B
White Balance	AWB	Start/Stop	Starts execution of auto white balance adjustment, or stops execution.	A	A+B
	White Memory	A/B/C/Preset	Switches the auto white balance memory.	A	B
	ATW	On/Off	Turns ATW on or off.	A ^{c)}	B
	5600K	On/Off	Turns color temperature conversion on or off.	–	A+B
Black	ABB	Start/Stop	Starts execution of auto black balance adjustment, or stops execution.	A	A+B

Menu items	Sub-item	Setting	Description	RM-B150	RM-B750
Iris	Iris Mode	Auto/Manual	Selects the iris mode.	A	A
	Iris Speed	-99 to ± 0 to +99	Specifies the control speed (speed of reaction to changes in the video). (Larger values specify quicker reaction times.)	D	C+D
	Iris Level	-99 to ± 0 to +99	Adjusts the level of the auto iris target value.	D	C+D
	Iris APL Ratio	-99 to ± 0 to +99	Adjusts the mix ratio of auto iris detection peak value and average value.	D	C+D
	Iris Window Ind	On/Off	Turns on or off the function that displays a frame marker for the auto iris detection window.	D	C+D
	Close	On/Off	Turns forcible iris closing on or off.	-	A
Rec Function	Slow & Quick	On/Off	Turns the Slow & Quick Motion function on or off.	D	B+D ^{b)}
	Frame Rate	The available settings vary depending on the Format >HD System Line setting.	When the Slow & Quick setting is On, sets the frame rate for Slow & Quick Motion shooting.	D	C+D ^{b)}
Camcorder Menu	Menu	On/Off	Operates the camcorder menu.	A	A
	Cancel/Preset	Cancel/Preset		A	A
	Select/Set	Select (Up/Down)/Set		A	C
Panel Active	Panel Active	On/Off	Enables (On) or disables (Off) panel operations.	A	A
Standard	Standard	On/Off	Selects standard mode.	A	A
ND Filter	ND Filter	Display only	Turns the display of ND filter settings on or off. (The settings cannot be changed, only displayed.)	-	-
CC Filter	CC Filter	A/B/C/D	Selects a CC filter.	A	B
Call	Call	On/Off	Enables (On) or disables (Off) calls from externally connected equipment.	-	A
Media	Rec	Start/Stop	Starts or stops recording.	A	A
	Play	Play/Pause	Starts playback.	A	A
	FREV	-	Starts high-speed reverse playback.	A	A
	FFWD	-	Starts high-speed playback	A	A
	Stop	-	Stops playback.	A	A
	Rec Review	-	Starts a recording review.	A	A

Menu items	Sub-item	Setting	Description	RM-B150	RM-B750
Switch Status	Gamma	On/Off	Turns gamma correction on or off.	D	B+D
	Black Gamma	On/Off	Turns black gamma correction on or off.	A	A+B
	Matrix	On/Off	Turns linear matrix correction and user matrix correction on or off.	D	B+D
	Knee	On/Off	Turns knee correction on or off.	D	B+D
	White Clip	On/Off	Turns white clip correction on or off.	D	B+D
	Detail	On/Off	Turns detail correction on or off.	D	B+D
	Flare	On/Off	Turns flare correction on or off.	D	B+D
	Test Saw	On/Off	Turns the test saw signal on or off.	A	A
White	R Gain<A>	-99 to ±0 to +99	Specifies the white balance R gain value saved in memory A.	C	C
	B Gain<A>	-99 to ±0 to +99	Specifies the white balance B gain value saved in memory A.	C	C
	R Gain	-99 to ±0 to +99	Specifies the white balance R gain value saved in memory B.	C	C
	B Gain	-99 to ±0 to +99	Specifies the white balance B gain value saved in memory B.	C	C
Black	Master Black	-99 to ±0 to +99	Specifies the master black level.	C	C
	R Black	-99 to ±0 to +99	Specifies the R black level.	C	C
	B Black	-99 to ±0 to +99	Specifies the B black level.	C	C
Flare	Flare	On/Off	Turns flare correction on or off.	D	B+D
	R Flare	-99 to ±0 to +99	Sets the R flare correction level.	C	C
	G Flare	-99 to ±0 to +99	Sets the G flare correction level.	C	C+D
	B Flare	-99 to ±0 to +99	Sets the B flare correction level.	C	C
Gamma	Gamma	On/Off	Turns gamma correction on or off.	D	B+D
	Step Gamma	0.35 to 0.45 to 0.90 (in steps of 0.05)	Specifies a gamma correction value in steps of 0.05.	D	B+D
	Master Gamma	-99 to ±0 to +99	Specifies the master gamma level.	C	C
	R Gamma	-99 to ±0 to +99	Specifies the R gamma level.	D	C
	G Gamma	-99 to ±0 to +99	Specifies the G gamma level.	D	C+D
	B Gamma	-99 to ±0 to +99	Specifies the B gamma level.	D	C
	Gamma Select	When Gamma Category is STD: 1 DVW 2 ×4.5 3 ×3.5 4 240M 5 R709 6 ×5.0	Select the gamma table to use in gamma correction.	D	C+D
		When Gamma Category is HG: 1 3250 2 4600 3 3259 4 4609		D	C+D ^{b)}
	Gamma Category	STD/HG	Selects use of standard gamma (STD) or HyperGamma (HG).	D	B+D ^{b)}

Menu items	Sub-item	Setting	Description	RM-B150	RM-B750
Black Gamma	Black Gamma	On/Off	Turns black gamma correction on or off.	A ^{a)}	A+B
	Gamma Level	-99 to ±0 to +99	Specifies the master black gamma level.	C ^{a)}	C
	Range	Low/L.Mid/ H.Mid/High	Selects the black gamma correction effective range.	D	B+D
Knee	Knee	On/Off	Turns knee correction on or off.	D	B+D
	Knee Point	50% to 90.0% to 109% (in steps of 1%)	Specifies the knee point.	C	C+D
	Knee Slope	-99 to ±0 to +99	Specifies the knee slope.	C	C+D
	Knee Saturation	On/Off	Turns the knee saturation function on or off.	A	A+B+D
	Knee Saturation Level	-99 to ±0 to +99	Specifies the knee saturation level.	C	C+D
White Clip	White Clip	On/Off	Turns white clipping adjustment on or off (Off = fixed as 109%).	D	B+D
	White Clip Level	90.0% to 109.0%	Specifies the white clip level.	D	C+D
Detail	Detail	On/Off	Turns detail adjustment on or off.	D	B+D
	Level	-99 to ±0 to +99	Specifies the detail level.	C ^{a)}	C
	H/V Ratio	-99 to ±0 to +99	Specifies the mix ratio between the H detail level and the V detail level.	D	C+D
	Crispening	-99 to ±0 to +99	Specifies the crispening level.	D	C+D
	Level Depend	On/Off	Turns the level depend function on or off.	D	B+D
	Level Depend Level	-99 to ±0 to +99	Specifies the level depend level.	D	C+D
	Frequency	-99 to ±0 to +99	Specifies the central frequency for H detail signal. Larger values give finer details.	D	C+D
	Knee Aperture	On/Off	Turns the linear knee aperture function on or off.	D	B+D
	Knee Aperture Level	-99 to ±0 to +99	Specifies the knee aperture level.	D	C+D
	Limit	-99 to ±0 to +99	Specifies the detail limiter values for both the white-side and black-side direction.	D	C+D
	White Limit	-99 to ±0 to +99	Specifies the white-side detail limiter value.	D	C+D
	Black Limit	-99 to ±0 to +99	Specifies the black-side detail limiter value.	D	C+D

Menu items	Sub-item	Setting	Description	RM-B150	RM-B750
Skin Detail	Skin Detail	On/Off	Turns skin detail correction on or off.	A+C ^{a)}	A+B
	Area Detection	Color detection screen	Detects the color to be targeted by skin detail correction.	D	B+D
	Area Indication	On/Off	Turns on or off the function that displays a zebra pattern in the area targeted by skin detail correction.	D	B+D
	Level	-99 to ±0 to +99	Specifies the skin detail level.	C ^{a)}	C
	Saturation	-99 to ±0 to +99	Specifies the saturation of the color targeted by skin detail correction.	D	C+D
	Hue	0 to 359	Specifies the hue of the color targeted by skin detail correction.	D	C+D
	Width	0 to 40 to 90	Specifies a range for the hue of the color targeted by skin detail correction.	D	C+D
Matrix	Matrix	On/Off	Turns the matrix correction function on or off.	D	B+D
	Preset Matrix	On/Off	Turns the preset matrix function on or off.	D	B+D
	Preset Select	1/2/3/4/5/6	Selects a preset matrix. 1: SMPTE-240M equivalent 2: ITU-709 equivalent 3: SMPTE WIDE equivalent 4: SD equivalent 5: EBU equivalent 6: Standard	D	B+D
	User Matrix	On/Off	Turns the user matrix function on or off.	D	B+D
	User Matrix R-G	-99 to ±0 to +99	Specifies a freely defined R-G user matrix.	D	C+D
	User Matrix R-B	-99 to ±0 to +99	Specifies a freely defined R-B user matrix.	D	C+D
	User Matrix G-R	-99 to ±0 to +99	Specifies a freely defined G-R user matrix.	D	C+D
	User Matrix G-B	-99 to ±0 to +99	Specifies a freely defined G-B user matrix.	D	C+D
	User Matrix B-R	-99 to ±0 to +99	Specifies a freely defined B-R user matrix.	D	C+D
	User Matrix B-G	-99 to ±0 to +99	Specifies a freely defined B-G user matrix.	D	C+D

Menu items	Sub-item	Setting	Description	RM-B150	RM-B750
Multi Matrix	Multi Matrix	On/Off	Turns the multi matrix correction function on or off.	D	B+D
	Area Indication	On/Off	Turns on or off the function that displays a zebra pattern in the color area targeted by multi matrix correction.	D	B+D
	Axis	B/B+/MG-/MG/MG+/R/R+/YL-/YL/YL+/G-/G/G+/CY/CY+/B-	Specifies a color targeted by multi matrix correction (16-axis mode).	D	C+D
	Hue	-99 to ± 0 to +99	Specifies the hue of the color targeted by multi matrix correction for each 16-axis mode.	D	C+D
	Saturation	-99 to ± 0 to +99	Specifies the saturation of the color targeted by multi matrix correction for each 16-axis mode.	D	C+D
V Modulation	V Modulation	On/Off	Turns V modulation shading on or off.	D	B+D
	Master V Modulation	-99 to ± 0 to +99	Specifies the master V modulation.	C ^{a)}	C
	R V Modulation	-99 to ± 0 to +99	Specifies the V modulation level of R signal.	D	C+D
	G V Modulation	-99 to ± 0 to +99	Specifies the V modulation level of G signal.	D	C+D
	B V Modulation	-99 to ± 0 to +99	Specifies the V modulation level of B signal.	D	C+D
Low Key Saturation	Low Key Saturation	On/Off	Turns low key saturation correction on or off.	D	B+D
	Level	-99 to ± 0 to +99	Specifies the saturation of colors in low luminance areas.	D	C+D
White Shading	R/G/B White H Saw	-99 to ± 0 to +99	Specifies a SAW white shading correction value for the horizontal direction.	D	C+D
	R/G/B White H Para	-99 to ± 0 to +99	Specifies a parabola white shading correction value for the horizontal direction.	D	C+D
	R/G/B White V Saw	-99 to ± 0 to +99	Specifies a SAW white shading correction value for the vertical direction.	D	C+D
	R/G/B White V Para	-99 to ± 0 to +99	Specifies a parabola white shading correction value for the vertical direction.	D	C+D

Menu items	Sub-item	Setting	Description	RM-B150	RM-B750
Scene	<input type="checkbox"/> 1	Standard	File number and file ID	D	B+D
	<input type="checkbox"/> 2	Standard	File number and file ID	D	B+D
	<input type="checkbox"/> 3	Standard	File number and file ID	D	B+D
	<input type="checkbox"/> 4	Standard	File number and file ID	D	B+D
	<input type="checkbox"/> 5	Standard	File number and file ID	D	B+D
	Scene Recall	Execute/Cancel	Loads a scene file (execute by selecting Execute).	D	B+D
	Scene Store	Execute/Cancel	Saves a scene file (execute by selecting Execute).	D	B+D
Reference	Reference Store	Execute/Cancel	Stores the current setting of reference file items in the reference file that is maintained in internal memory (execute by selecting Execute).	D	B+D

a) RM Configuration Menu

b) Depending on RM-B750 version

c) When OPERATION >White Setting >White Switch in the setup menu is set to [ATW]

Using a Wi-Fi Adapter

Mounting an optional CBK-WA01 Wi-Fi Adapter on this camcorder allows a Wi-Fi connection between a computer and the camcorder.

For details about the CBK-WA01, refer to the Mounting Instructions and Operating Instructions supplied with the CBK-WA01.

Making a Wi-Fi connection between a computer and the camcorder enables you to do the following.

- You can transfer planning metadata and other files between a computer and this camcorder.
- You can also use the Live Logging function to add shot marks to the video currently being shot.

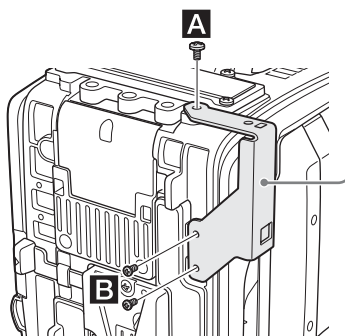
Fixing the CBK-WA01

Notes

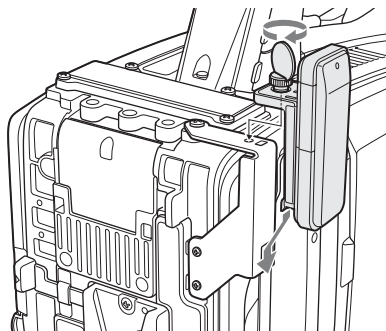
- Before attaching or removing the CBK-WA01, turn the power of the camcorder off.
- It may be impossible to stow the camcorder attached with the CBK-WA01 in a carrying case.

- 1 Attach the Wi-Fi adapter fixing bracket to the camcorder, and fix the bracket with the supplied three screws (A: +B M3×6 screw, B: +B M2.6×5 Type1 screws).**

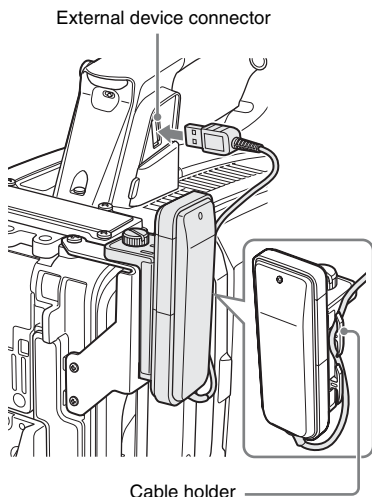
Wi-Fi adapter fixing bracket



- 2 Insert the protrusion on the backside of the CBK-WA01 into the hole on the bracket, and tighten the screw to fix the CBK-WA01 to the bracket.**



- 3 Connect the cable of the CBK-WA01 to the external device connector on the camcorder, and store the excess length of the cable in the cable holder.**



Making a Wi-Fi Connection

Two types of Wi-Fi connections are available. In “ad-hoc mode”, you can make a peer-to-peer Wi-Fi connection between a computer and camcorder. In “infrastructure mode”, you can make Wi-Fi connections between a computer and multiple camcorders via a wireless LAN access point (building a LAN).

To make a network setting

Change settings under MAINTENANCE
>Network Setting in the setup menu as required.

Item	Setting
DHCP	Setting that specifies whether to acquire the IP address automatically from a DHCP server Enabled: Acquire automatically. Disabled: Do not acquire automatically (factory default setting).
IP Address	IP address ^{a)} (factory default setting: 192.168.1.10)
Subnet Mask	Subnet mask (factory default setting: 255.255.255.0)
Default Gateway	Default gateway (factory default setting: 0.0.0.0)
User Name	User name for log-in (factory default setting: admin)
Password	Password for log-in (factory default setting: model name “pmw-td300”)

a) The IP address determined by DHCP server is displayed here.

When you have changed a setting

Set the Set item to [Execute]. When a confirmation message appears, turn the MENU knob to select “Execute” and press the knob.

To make a connection in ad hoc mode

- 1 Refer to “Settings on the Computer” under “Making a Wi-Fi Connection to Your Computer (Ad hoc Mode)” in the Operating Instructions supplied with the CBK-WA01 to make settings on the computer.
- 2 Start a connection on the computer.
- 3 Set MAINTENANCE >Wi-Fi Setting >Wi-Fi to [Enable] in the setup menu.
- 4 Set MAINTENANCE >Wi-Fi Setting >Scan Networks to [Execute] and press the MENU knob.

The camcorder starts scanning for a network connection.

When networks are detected, the NETWORK SCAN list appears.

NETWORK SCAN				
01.	b-mobile	Wi-Fi637F43	Adhoc	Lvl=2 11b/g
02.	K23456789012345678901234	Adhoc	Lvl=3	11b/g
03.	b-mobile	Wi-Fi332F43	Adhoc	Lvl=4 11b/g
04.	M23456789012345678901234	Adhoc	Lvl=4	11b/g

- 5 Turn the MENU knob to select a network and press the knob.
The MAINTENANCE menu appears again.
- 6 Confirm that the settings for the Wi-Fi Setting item conform to the network setting on the computer.

SSID (network name): Selected network name

Network Type (connection mode): Adhoc
CH (channel): 1

Authentication (network authentication):
Depending on the settings on the computer, Open, Shared or WPA

Encryption (data encryption): Depending the settings on the computer, Disable, WEP, TKIP or AES

WEP Key Index (key index): 1 when Encryption is set to [WEP]

Input Select (key input format): Depending the network key (or security key), ASCII5, ASCII13, HEX10 or HEX26 when Encryption is set to [WEP], ASCII8-63 or HEX64 Encryption is set to [TKIP] or [AES]

7 Set the Key item to the network key (or security key) set on the computer and press the MENU knob.

8 Set the Set item to [Execute] and press the MENU knob.

The message “Wi-Fi Setting Executing...” appears and the camcorder starts connection. If the connection to the computer is complete, then the message changes to “Wi-Fi Setting OK”.

Black squares appear in the Wi-Fi Status column to show the connection status. (The number of squares shows the level of connection status.) In the Wireless Mode column, the IEEE802.11 standard of the established connection appears (802.11b, 802.11g or 802.11n).

Tip

It is also possible to make a connection by accessing a network connection started on the camcorder from the computer.

To terminate the connection

Terminate the connection on the computer.

To revert to the default settings (reset)

If you have trouble making a connection, or you want to start over, you can reset your Wi-Fi connection settings to their defaults.

Set MAINTENANCE >Network Setting >Net Config Reset in the setup menu to “Execute” and press the MENU knob.

If the reset is executed, the message “Net Config Reset Done” appears.

The camcorder attempts to connect to the network using a MAC address as the SSID.

To make a connection in infrastructure mode

Setting up the wireless LAN access point
The following settings are required.

- Network ID (SSID)
- Encryption method
- Network key (Key)

For details about setting up the wireless LAN access point.

To find and connect to a wireless LAN from the camcorder

Perform the same procedure in “To make a connection in ad hoc mode” (page 16) excluding the following.

- Do not perform steps 1 and 2.
- The settings made in step 7 change as follows.

SSID (network name): Selected network connection name

Network Type (connection mode): Infra
Ch (channel): Auto

Authentication (network authentication):

Depending the settings on the computer, Open, Shared, WPA or WPA2

Encryption (data encryption): Depending the settings on the computer, Disable, WEP, TKIP or AES

WEP Key Index (key index): 1 when Encryption is set to [WEP]

Input Select (key input format): Depending the network key (or security key), ASCII5, ASCII13, HEX10 or HEX26 when Encryption is set to [WEP], ASCII8-63 or HEX64 Encryption is set to [TKIP] or [AES]

Using the Web Menu

You can operate the Web menu built in the camcorder from a computer when it is connected to the camcorder via a Wi-Fi connection.

Using the Web menu, you can view the camcorder information and configuration settings, and upload planning metadata files.

Note

The Web menu cannot be accessed while recording or during playback. (It is not possible to send or receive files over a Wi-Fi connection.)

Example Web menu

PMW-320 proprieties **SONY**

Product Information	
Model Name	PMW-320
Serial No.	2010

Network	
MAC Address	XX-XX-XX-XX-XX-XX
IP Address	192.168.1.200
Subnet Mask	255.255.255.0

Wi-Fi Status	
Wireless Mode	11g
SSID	00:13:A9:68:D6:AA
Type	Adhoc
Channel	1
Authentication	Open
Data Encryption	WEP

Planning Metadata	
<input type="button" value="Upload"/>	

XMPilot ©2010 Sony Corporation

Product Information

- Model name
- Serial No.

Network

- MAC Address
- IP Address
- Subnet Mask

Wi-Fi Status

- Wireless Mode
- SSID
- Type
- Channel
- Authentication (network authentication)
- Data Encryption (data encryption)

Planning Metadata

Clicking “Upload” displays the Planning Metadata screen which allows upload of a planning metadata file (*see page 18*).

Note

The configuration of items displayed in the Web menu varies depending on the browser you are using.

To display the Web menu

- 1 **Launch a web browser on the computer, and navigate to “http://<camcorder’s IP address> (setting of Maintenance >Network Setting >IP Address in the setup menu)”.**

Example (when the IP address is “192.168.1.10”): Type “http://192.168.1.10/” in the address bar.

If the connection is complete, a dialog appears asking you to enter the user name and password.

- 2 **Enter the user name and password, and click [OK].**

User name: admin

Password: pmw-td300 (Lower-case the model name.)

To upload a planning metadata file

- 1 **Insert a media such as an SxS memory card.**

- 2 **Click “Upload” in the Web menu.**

The Planning Metadata screen appears.

SONY

Planning Metadata

Status: Waiting.

XMPilot ©2010 Sony Corporation

- 3 **Click “Select” to show Choose File dialog.**

- 4 **Select the planning metadata file you want to upload, and then click “Open”.**
The path of the selected file appears.

- 5 **Click “Execute”.**

The planning metadata file is loaded into the camcorder’s memory and stored in the media.

“OK” appears in the Status field when the transfer is complete.

To upload a planning metadata file automatically

In the planning metadata file you want to load automatically, add a “load” property to the PlanningMetadata tag and set the value of the property to “True”.

When you display the Web menu and insert a media, the planning metadata file is immediately loaded into the camcorder’s memory.

Example: <PlanningMetadata ...sp
sp load="true" sp sp version="1.00">

For details on the planning metadata, refer to the Operating Instructions supplied with the camcorder.

Using Live Logging Functions

The Live Logging function allows you to record shot marks using a computer while you are shooting. That is, you can use a computer to record shot marks on the video being shot while you are monitoring the video output from this camcorder.

Output Formats and Limitations

Video Formats and Output Signals

The format of signals output from the VIDEO OUT, HD/SD SDI OUT, and HDMI connectors varies according to the HD/SD mode, the current recording and playback video formats, and the output signal specified by OPERATION >Output >Signal Format in the setup menu. (Depending on the above conditions, some limitations may also apply to signal output and input.)

Video formats and output signals, as specified by Output settings (when OPERATION >Format >Country is set to [NTSC Area] or [NTSC Area(J)])

Video format	Output settings		Output signal		
	Signal Format	23.98P Output	HD/SD SDI OUT	HDMI	VIDEO OUT
HQ 1920/59.94i HQ 1440/59.94i SP 1440/59.94i	HD	—	1920×1080/59.94i	1920×1080/59.94i	1920×1080/59.94i Y signal
	SD	—	720×480/59.94i	720×480/59.94i	Composite 720×480/59.94i
	480P	—	Muting	720×480/59.94P	720×480/59.94i
HQ 1920/29.97P HQ 1440/29.97P	HD	—	1920×1080/ 29.97PsF	1920×1080/ 29.97PsF	1920×1080/ 29.97PsF Y signal
	SD	—	720×480/29.97PsF	720×480/29.97PsF	720×480/29.97PsF Y signal
	480P	—	Muting	720×480/59.94P	720×480/59.94P
HQ 1920/23.98P HQ 1440/23.98P	HD	PsF	1920×1080/ 23.98PsF	Muting	1920×1080/ 23.98PsF Y signal
		Pull Down	1920×1080/59.94i 2:3 pull down	1920×1080/59.94i 2:3 pull down	1920×1080/59.94i 2:3 pull down Y signal
		HDMI(P)	Muting	1920×1080/23.98P	1920×1080/23.98P (Pure P)
	SD	—	720×480/59.94i 2:3 pull down	720×480/59.94i 2:3 pull down	Composite 720×480/59.94i 2:3 pull down
	480P	—	Muting	720×480/59.94P 2:3 pull down	720×480/59.94P 2:3 pull down
HQ 1280/59.94P	HD	—	1280×720/59.94P	1280×720/59.94P	1280×720/59.94P Y signal
	SD	—	720×480/59.94i P→i conversion	720×480/59.94i P→i conversion	Composite 720×480/59.94i P→i conversion
	480P	—	Muting	720×480/59.94P	720×480/59.94P

Video format	Output settings		Output signal		
	Signal Format	23.98P Output	HD/SD SDI OUT	HDMI	VIDEO OUT
HQ 1280/29.97P	HD	–	1280×720/59.94P	1280×720/59.94P	1280×720/59.94P Y signal
	SD	–	720×480/29.97PsF	720×480/29.97PsF	Composite 720×480/29.97PsF
	480P	–	Muting	720×480/59.94P	720×480/59.94P
HQ 1280/23.98P	HD	–	1280×720/59.94P 2:3 pull down	1280×720/59.94P 2:3 pull down	1280×720/59.94P 2:3 pull down Y signal
	SD	–	720×480/59.94i 2:3 pull down	720×480/59.94i 2:3 pull down	Composite 720×480/59.94i 2:3 pull down
	480P	–	Muting	720×480/59.94i 2:3 pull down	720×480/59.94i 2:3 pull down

Video formats and output signals, as specified by Output settings (when OPERATION >Format >Country is set to [PAL Area])

Video format	Output settings		Output signal		
	Signal Format	23.98P Output	HD/SD SDI OUT	HDMI	VIDEO OUT
HQ 1920/50i HQ 1440/50i SP 1440/50i	HD	–	1920×1080/50i	1920×1080/50i	1920×1080/50i Y signal
	SD	–	720×576/50i	720×576/50i	Composite 720×576/50i
	576P	–	Muting	720×576/50P	720×576/50P
HQ 1920/25P HQ 1440/25P	HD	–	1920×1080/25PsF	1920×1080/25PsF	1920×1080/25PsF Y signal
	SD	–	720×576/25PsF	720×576/25PsF	Composite 720×576/25PsF
	576P	–	Muting	720×576/50P	720×576/50P
HQ 1280/50P	HD	–	1280×720/50P	1280×720/50P	1280×720/50P Y signal
	SD	–	720×576/50i P→i conversion	720×576/50i P→i conversion	Composite 720×576/50i P→i conversion
	576P	–	Muting	720×576/50P	720×576/50P
HQ 1280/25P	HD	–	1280×720/50P	1280×720/50P	1280×720/50P Y signal
	SD	–	720×576/25PsF	720×576/25PsF	Composite 720×576/25PsF
	576P	–	Muting	720×576/50P	720×576/50P

